

## **Abstract**

### **Title:**

**Evaluation of low dose Betamethasone effect on early complication of surgical wound in 60 patient that were candidate for elective cesarean in Alavi hospital, Ardabil 2003**

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**Summary:** one of the major risk of Elective cesarean operation is iatrogenic delivery of premature neonate and It is clear prematurity have health and economical outcomes.

Maternal prophylactic administration of corticosteroid drugs can reduce to some extent prematurity and its complications especially RDS. But when we use corticosteroid drugs afraid of their side effects. This study has considered effect of Betamethasone on surgical wound.

**Material and methods:** In this study, our study population were two groups, case and control, 30 persons of women that were candidate for elective cesarean.

We injected Betamethasone(IM) to case group, twice 48 hours before operation, each 24 hour, and complication of surgical wound has been clinically evaluated within 7 days after operation in both groups.

Data collecting was through Medical history taking, physical examination and filling of related questionnaire and we evaluated relations between findings by khay square and pearson's test of SPSS software.

**Results:** Most patients (60%) was 20-30 years old and average of both group's age was 21. relative frequency of patients with complication of surgical wound in case group (who has received Betamethasone) was 30% and in control group was 23.33% that this differences wasn't statistically significant ( $P>0.05$ ). The most common complications were erythema and hyperemia. Other complications were serousal excretion, local warmness and endurance. about these complications also have not significant statistic difference between case and control group.

**Discussion and conclusion:** Wherease there is no significant statistic difference Between case and control group, in complication of surgical wound, Betamethasone does't increase complication of surgical wound and we can use Betamethasone prophylactically for fetal maturion in elective cesarean patient.

**Key word:** Elective cesarean, Betamethasone, wound complication